

## EAST Search History

| Ref # | Hits | Search Query   | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|--|--|------------------|---------|------------------|
| L1    | 2    | ("4382395").PN.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2008/01/09 18:24 |
| L2    | 78   | ((dog or positive) near2 clutch) and (torus or toroidal) and helical                           | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2008/01/09 18:24 |
| L3    | 25   | L2 and ("192"/\$).ccls.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2008/01/09 18:24 |
| L4    | 57   | ((dog or positive) near2 clutch) and (((torus or toroidal) and helical) SAME (ball or roller)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2008/01/09 18:24 |
| L5    | 17   | L4 and ("192"/\$).ccls.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2008/01/09 18:24 |
| L6    | 2    | ("5853073").PN.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2008/01/09 18:24 |
| L7    | 2    | ("5601506").PN.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2008/01/09 18:24 |
| L8    | 28   | L1 L3 L5 L6 L7   | US-PGPUB; USPAT; EPO; JPO; DERWENT                 | OR               | OFF     | 2008/01/09 18:24 |

## EAST Search History

|     |         |   |   |    |     |                  |
|-----|---------|---|---|----|-----|------------------|
| L9  | 28      | L8  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2008/01/09 18:24 |
| L10 | 1578829 | @pd>"20070329"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2008/01/09 18:24 |
| L11 | 0       | L8 and L10  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2008/01/09 18:24 |
| L12 | 28      | L8 L11  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2008/01/09 18:24 |
| L13 | 62      | L2 L4   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2008/01/09 18:24 |
| L14 | 40      | L13 not L12   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2008/01/09 18:24 |
| L15 | 62      | L13 L14   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2008/01/09 18:24 |
| L16 | 1       | ("4382495").PN.   | USPAT                                       | OR | ON  | 2008/01/09 18:24 |
| L17 | 1       | ("6053075").PN.   | USPAT                                       | OR | ON  | 2008/01/09 18:24 |
| L18 | 2       | L16 L17   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2008/01/09 18:24 |
| L19 | 14      | ("3798722"   "4192411"   "4287972"<br>  "4300667"   "4343386"  <br>"4467680"   "5187847").PN. OR<br>("4382495"   "6053075").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                | OR | OFF | 2008/01/09 18:24 |
| L20 | 78      | L15 L18 L19   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2008/01/09 18:24 |
| L21 | 18      | skorucak-bela.in.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2008/01/09 18:24 |

## EAST Search History

|     |       |                                |   |    |     |                  |
|-----|-------|--------------------------------|---|----|-----|------------------|
| L22 | 142   | 192/54.52.ccls.                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT                       | OR | OFF | 2008/01/09 18:24 |
| L23 | 236   | L20 L21 L22                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT                       | OR | OFF | 2008/01/09 18:24 |
| L24 | 165   | 192/69.81.ccls.                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT                       | OR | OFF | 2008/01/09 18:24 |
| L25 | 165   | L24 not L23                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT                       | OR | OFF | 2008/01/09 18:24 |
| L26 | 401   | L23 L25                        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT                       | OR | OFF | 2008/01/09 18:24 |
| L27 | 194   | 192/42.ccls.                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT                       | OR | OFF | 2008/01/09 18:24 |
| L28 | 594   | L26 L27                        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT                       | OR | OFF | 2008/01/09 18:24 |
| L29 | 12047 | (dog or positive) near2 clutch | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/01/09 18:24 |
| L30 | 835   | 192/93A.ccls.                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/01/09 18:24 |
| L31 | 48    | L29 and L30                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/01/09 18:24 |

## EAST Search History

|     |     |                 |   |    |     |                  |
|-----|-----|-----------------|---|----|-----|------------------|
| L32 | 41  | L31 not L28     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/01/09 18:24 |
| L33 | 616 | L28 L32         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT                       | OR | OFF | 2008/01/09 18:24 |
| L34 | 50  | (192/17C).CCLS. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT                       | OR | OFF | 2008/01/09 18:24 |
| L35 | 665 | L33 L34         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT                       | OR | OFF | 2008/01/09 18:24 |
| L36 | 197 | (192/12B).CCLS. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT                       | OR | OFF | 2008/01/09 18:24 |
| L37 | 232 | (192/12D).CCLS. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT                       | OR | OFF | 2008/01/09 18:24 |
| L38 | 424 | L36 L37         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT                       | OR | OFF | 2008/01/09 18:24 |
| L39 | 13  | L29 and L38     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT                       | OR | OFF | 2008/01/09 18:24 |
| L40 | 676 | L35 L39         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT                       | OR | OFF | 2008/01/09 18:24 |

## EAST Search History

|     |        |  |                                    |    |     |                  |
|-----|--------|--|------------------------------------|----|-----|------------------|
| L41 | 62     | ("20020079179"   "2602335"   "3187870"   "3263509"   "3300006"   "3306409"   "3319755"   "3714834"   "4681928"   "4690258"   "4838118"   "4899859"   "4989686"   "5083986"   "5407024"   "5464084"   "5492194"   "5505285"   "5584776"   "5810141"   "5839985"   "5884738"   "5890573"   "5911643"   "5915513"   "5943911"   "5954173"   "5966999"   "5980415"   "6033334"   "6062361"   "6098770"   "6101897"   "6109408"   "6196361"   "6327935"   "6378677"   "6460677"   "6537172"   "6578684"   "6691845").PN. OR ("1490505"   "4261452"   "6837351"   "6905008"   "6935475").URPN. | US-PGPUB; USPAT; USOCR             | OR | OFF | 2008/01/09 18:24 |
| L42 | 34     | L41 not L40  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2008/01/09 18:24 |
| L43 | 710    | L40 L42  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2008/01/09 18:24 |
| L44 | 710    | L43  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2008/01/09 18:25 |
| L45 | 716    | 9 44   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2008/01/09 18:25 |
| L46 | 358353 | @pd >= "20071010"  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2008/01/09 18:26 |
| L47 | 0      | 45 and 46  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2008/01/09 18:26 |
| L48 | 16     | ((dog or positive) adj clutch) and (channel or groove) and (helical or torus or toroid\$2).clm.  | US-PGPUB                           | OR | OFF | 2008/01/09 18:26 |
| L49 | 16     | L48  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2008/01/09 18:27 |

## EAST Search History

|     |    |     |          |    |     |                  |
|-----|----|-----|----------|----|-----|------------------|
| L50 | 16 | L48 | US-PGPUB | OR | OFF | 2008/01/09 18:30 |
|-----|----|-----|----------|----|-----|------------------|